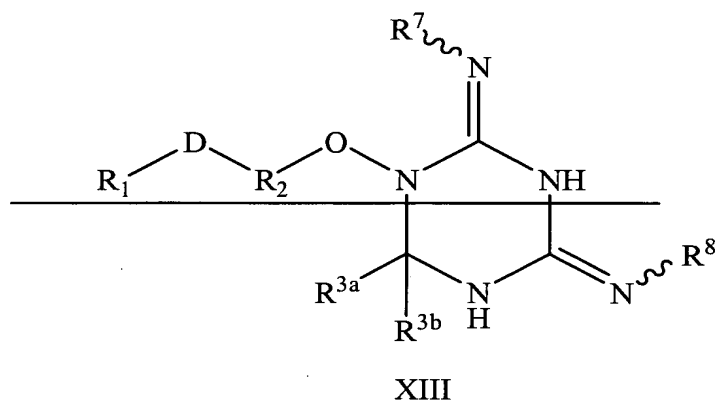
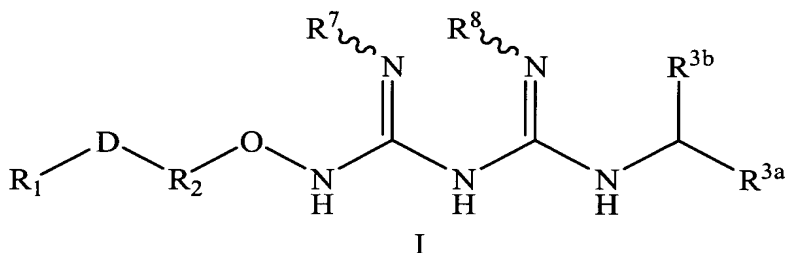


This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

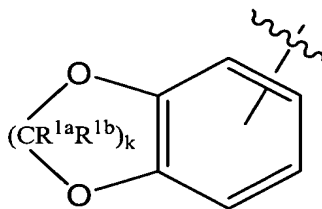
1. *(currently amended)* A compound of formula I ~~or XIII~~ or a pharmaceutically acceptable salt thereof:



wherein:

R¹ is R^x, substituted aryl, substituted alkyl, substituted fused cycloalkylaryl, substituted aralkyl, substituted cycloalkylarylalkyl, substituted heteroaryl, or substituted heteroarylalkyl, wherein the latter seven groups are substituted with at least one substituent selected from the group consisting of -CN, -OCF₃, haloalkoxy, -SR⁴, -OCF₃, -SCF₃, haloalkylthio, -NR⁵R⁶, -SO₂R⁴, -SO₂NR⁵R^{6a}, heteroaryl, heterocyclyl or R¹⁰O-(CH₂CH₂O)_j-, or combinations thereof;

R^x is substituted or unsubstituted:



wherein each R^{1a} and R^{1b} are independently H, alkyl or fluoro;
 R^2 is branched or straight chain lower alkylidene, or lower alkylene;
 R^{3a} and R^{3b} are each independently hydrogen, lower alkyl, lower alkenyl, lower alkynyl, or taken together form a cycloalkyl or **spiroalkyl** group;
each R^4 is independently hydrogen, lower alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, aryl, substituted aryl, haloaryl, acyl, or heterocyclyl;
each R^5 is independently hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl substituted aryl, or acyl;
each R^6 is independently hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl substituted aryl, acyl, $-SO_2R^5$, or $SO_2NR^5R^5$; or R^5 and R^6 taken together with the atom to which they are attached form a heterocycle;
each R^{6a} is independently hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl substituted aryl, acyl; or R^5 and R^{6a} taken together with the atom to which they are attached form a heterocycle;
 R^7 and R^8 are each, independently, hydrogen, alkyl, or acyl;
D is lower alkylidene, lower alkylene, -O-, -S-, or -N(R^9)-;
 R^9 is hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl-substituted aryl, or acyl;
 R^{10} is alkyl or haloalkyl;
j is an integer from 1 to 20; and
k is an integer from 1 to 4.

~~k is an integer from 1 to 4;~~

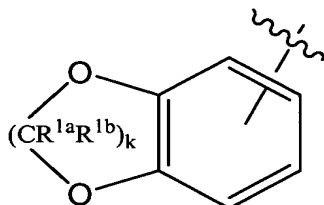
~~provided that, in a compound of formula XIII, when R^{3a} and R^{3b} are each independently H, lower alkyl, or taken together form a cycloalkyl or spiroalkyl group and R^7 and R^8 are each hydrogen, then R^1 is R^* or is substituted with at least one substituent from the group consisting of $-OCF_3$, haloalkoxy, and $R^{10}O-(CH_2CH_2O)_j$.~~

2. *(canceled)*

3. *(original)* The compound of claim 1,

wherein R^1 is substituted with at least one substituent selected from the group consisting of $-OCF_3$, haloalkoxy, $-SCF_3$, haloalkylthio or $R^{10}O-(CH_2CH_2O)_j$.

4. *(original)* The compound of claim 1, wherein R^1 is substituted or unsubstituted:



5. *(original)* The compound of claim 4,

wherein R^x is substituted with one to four substituents selected, independently, from the group consisting of halo, $-NO_2$, $-CN$, $-CF_3$, $-OCF_3$, haloalkoxy, $-SCF_3$, haloalkylthio, haloalkyl, lower alkyl, spiroalkyl, aryl, alkoxy, $-SR^4$, $-NR^5R^6$, $-SO_2R^4$, $-SO^2NR^5R^{6a}$, heteroaryl, and heterocyclyl, and combinations thereof.

6. *(currently amended)* The compound of claim 1,

wherein when ~~the latter seven groups are~~ R¹ is substituted aryl, substituted alkyl, substituted fused cycloalkylaryl, substituted aralkyl, substituted cycloalkylarylalkyl, substituted heteroaryl, or substituted heteroarylalkyl, it is further substituted with one to four substituents selected, independently, from the group consisting of halo, -NO₂, -CF₃, haloalkyl, lower alkyl, spiroalkyl, aryl, and alkoxy, and combinations thereof.

7. **(original)** The compound of claim 1,
wherein R¹ is substituted with at least one -SR⁴.
8. **(original)** The compound of claim 1,
wherein:
R¹ is 4-(trifluoromethanethio)-phenyl;
D is -O-; and
R⁷ and R⁸ are each hydrogen.
9. **(original)** The compound of claim 1,
wherein R¹ is substituted with at least one -NR⁵R⁶.
10. **(original)** The compound of claim 1,
wherein:
R¹ is 4-(trifluoromethanesulfonamido)-phenyl;
D is -O-; and
R⁷ and R⁸ are each hydrogen.
11. **(original)** The compound of claim 1,
wherein R¹ is substituted with at least one -SO₂R⁴.
12. **(original)** The compound of claim 1,
wherein:

R^1 is 4-(trifluoromethanesulfonyl)phenyl;
D is -O-; and
 R^7 and R^8 are each hydrogen.

13. **(original)** The compound of claim 1,
wherein:
 R^1 is 2,4-bis-trifluoromethoxyphenyl;
D is -O-; and
 R^7 and R^8 are each hydrogen.
14. **(original)** The compound of claim 1,
wherein:
 R^1 is 4-chloro-3- trifluoromethoxyphenyl;
D is -O-; and
 R^7 and R^8 are each hydrogen.
15. **(original)** The compound of claim 1,
wherein:
 R^1 is 4,5-dichloro-2-trifluoromethoxyphenyl,
D is -O-; and
 R^7 and R^8 are each hydrogen.
16. **(original)** The compound of claim 1,
wherein:
 R^1 is 2-chloro-4-trifluoromethoxyphenyl;
D is -O-; and
 R^7 and R^8 are each hydrogen.
17. **(original)** The compound of claim 1,
wherein:

R¹ is 4-chloro-2-trifluoromethoxyphenyl;

D is -O-; and

R⁷ and R⁸ are each hydrogen.

18. **(currently amended)** The compound of claim 1,
wherein R^{3a} and R^{3b} are methyl, or taken together form a cyclopropyl ~~or~~
spiroalkyl group.
19. **(original)** The compound of claim 1,
wherein R¹ is substituted with -CN or -OCF₃.
20. **(original)** The compound of claim 1,
wherein R¹ is substituted with -SCF₃, -SO₂CF₃, or -NHSO₂CF₃.
21. **(currently amended)** The compound of claim 1,
wherein said compound is:
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-isopropyl biguanide;
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-isopropyl biguanide
hemisuccinate;
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-cyclopropyl biguanide;
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-cyclopropyl biguanide
hydrochloride;
~~6,6-Dimethyl-1-[3-(4-trifluoromethoxy-phenoxy)-propoxy]~~
~~[1,3,5]triazinane-2,4-diylidenediamine;~~
~~6,6-Dimethyl-1-[3-(4-trifluoromethoxy-phenoxy)-propoxy]~~
~~[1,3,5]triazinane-2,4-diylidenediamine hydrochloride;~~
1-[3-(2-chloro-4-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide;
1-[3-(2-chloro-4-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide
phosphate salt;
1-[3-(4-chloro-2-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide;

1-[3-(4-chloro-2-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide,
mono phosphate salt;

1-[3-(4-chloro-2-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide,
bis phosphate salt;

1-[3-(2,4-bis(trifluoromethoxy)phenoxy) propyloxy]-5-isopropyl biguanide;

1-[3-(4-chloro-3-trifluoromethoxy phenoxy)propyloxy]-5-isopropyl biguanide;

1-[3-(4,5-dichloro-2-trifluoromethoxy phenoxy)propyloxy]-5-isopropyl
biguanide;

1-[3-(2,2,3,3-Tetrafluoro-2,3-dihydro-benzo[1,4]dioxin-6-yloxy)propyloxy]-5-
isopropyl biguanide;

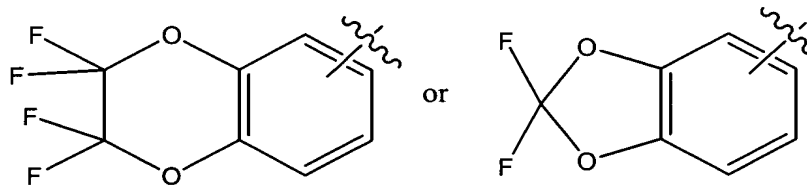
1-[3-(2,2-Difluoro-benzo[1,3]dioxol-5-yloxy) propyloxy]-5-isopropyl
biguanide;

1-[3-(4-(trifluoromethanethio)phenoxy)propyloxyl-5-isopropyl biguanide;

1-[3-(4- (trifluoromethanesulfonamido)phenoxy) propyloxy]-5-isopropyl
biguanide; or

1-[3-(4-(trifluoromethanesulfonyl)phenoxy)propyloxy]-5-isopropyl biguanide.

22. **(original)** A compound of claim 2, wherein when R^1 is R^x , R^x , optionally substituted,
is:



23. **(original)** The compound of claim 6,
wherein R^1 is substituted aryl, substituted cycloalkylaryl, substituted aralkyl,
or substituted cycloalkylarylalkyl.
24. **(original)** The compound of claim 7,
wherein R^4 of said $-SR^4$ is substituted lower alkyl.

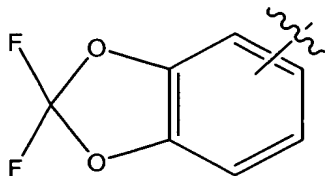
25. **(original)** The compound of claim 9,
wherein R^6 is $-SO_2R^5$ or $-SO_2NR^5R^{6a}$.
26. **(original)** The compound of claim 11,
wherein R^4 of said $-SO_2R^4$ is substituted lower alkyl.
27. **(currently amended)** The compound of claim 21, wherein said compound is:
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-isopropyl biguanide;
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-isopropyl biguanide
hemisuccinate;
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-cyclopropyl biguanide;
1-(3-(4-trifluoromethoxyphenoxy)propyloxy)-5-cyclopropyl biguanide
hydrochloride;
~~6,6-Dimethyl-1-[3-(4-trifluoromethoxy-phenoxy)-propoxy]~~
~~{1,3,5}triazinane-2,4-diylidenediamine;~~
~~———6,6-Dimethyl-1-[3-(4-trifluoromethoxy-phenoxy)-propoxy]~~
~~{1,3,5}triazinane-2,4-diylidenediamine hydrochloride;~~
1-[3-(2-chloro-4-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide;
1-[3-(2-chloro-4-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide
phosphate salt;
1-[3-(4-chloro-2-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide;
1-[3-(4-chloro-2-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide,
mono phosphate salt; or
1-[3-(4-chloro-2-trifluoromethoxyphenoxy)propyloxy]-5-isopropyl biguanide,
bis phosphate salt.
28. **(original)** The compound of claim 22, wherein:
D is -O-; and
 R^7 and R^8 are each hydrogen.

29. **(currently amended)** The compound of claim 23,
wherein R^1 is mono- or polysubstituted phenyl; and wherein R^{3a} and R^{3b} are
each independently lower alkyl, or taken together form a cycloalkyl ~~or spiroalkyl~~
group.
30. **(original)** The compound of claim 24,
wherein said lower alkyl of R^4 is substituted with at least one halo.
31. **(original)** The compound of claim 25,
wherein R^6 is $-SO_2R^5$.
32. **(original)** The compound of claim 26,
wherein said lower alkyl of said R^4 is substituted with at least one halo.
33. **(currently amended)** The compound of claim 28, wherein:
 R^{3a} and R^{3b} are each methyl, or taken together form a cyclopropyl ~~or~~
spiroalkyl.
34. **(original)** The compound of claim 29,
wherein:
 R^1 is monosubstituted phenyl.
35. **(original)** The compound of claim 29,
wherein said phenyl is substituted with at least one $-OCF_3$.
36. **(original)** The compound of claim 30,
wherein said halo of R^4 is $-F$.
37. **(original)** The compound of claim 31,

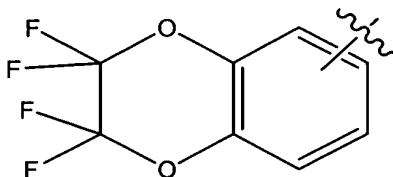
wherein R⁵ of said -SO₂R⁵ is substituted lower alkyl.

38. *(original)* The compound of claim 32,
wherein said halo of said R⁴ is -F.
39. *(original)* The compound of claim 33, wherein:
R² is -CH₂CH₂CH₂-.
40. *(original)* The compound of claim 34,
wherein:
R¹ is phenyl substituted with -OCF₃.
41. *(original)* The compound of claim 35,
wherein said phenyl is substituted with at least two -OCF₃.
42. *(original)* The compound of claim 35,
wherein said phenyl, substituted with at least one -OCF₃, is further substituted
with at least one halo.
43. *(original)* The compound of claim 35,
wherein said R^{3a} and said R^{3b} are each methyl.
44. *(original)* The compound of claim 36,
wherein R⁴ is -CF₃.
45. *(original)* The compound of claim 37,
wherein said lower alkyl of R⁵ is substituted with at least one halo.
46. *(original)* The compound of claim 38,
wherein said alkyl of said R⁴ is -CF₃.

47. **(original)** The compound of claim 39, wherein R^1 , optionally substituted, is:



48. **(original)** The compound of claim 39, wherein R^1 , optionally substituted, is:



49. **(currently amended)** The compound of claim 40,
wherein:
 R^{3a} and R^{3b} are each methyl, or taken together form a cyclopropyl ~~or~~
spiroalkyl.
50. **(original)** The compound of claim 41,
wherein said phenyl is substituted with two $-OCF_3$.
51. **(currently amended)** The compound of claim 41,
wherein said R^{3a} and said R^{3b} are each methyl, or taken together form a
cyclopropyl ~~or~~ **spiroalkyl.**
52. **(original)** The compound of claim 42,
wherein said halo of said substituted phenyl is $-Cl$.
53. **(currently amended)** The compound of claim 42,

wherein said R^{3a} and said R^{3b} are each methyl, or taken together form a cyclopropyl ~~or~~ **spiroalkyl**.

54. **(original)** The compound of claim 43,
wherein R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2-$.
55. **(currently amended)** The compound of claim 44,
wherein R^{3a} and R^{3b} are each methyl, or taken together form a cyclopropyl ~~or~~ **spiroalkyl**.
56. **(original)** The compound of claim 45,
wherein said halo of R^5 is $-\text{F}$.
57. **(currently amended)** The compound of claim 46,
wherein R^{3a} and R^{3b} are each methyl, or taken together form a cyclopropyl ~~or~~ **spiroalkyl**.
58. **(original)** The compound of claim 47, wherein R^{3a} and R^{3b} are each methyl.
59. **(original)** The compound of claim 48, wherein R^{3a} and R^{3b} are each methyl.
60. **(original)** The compound of claim 49,
wherein:
 R^1 is *para*-trifluoromethoxyphenyl; and
D is $-\text{O}-$.
61. **(original)** The compound of claim 53,
wherein said R^{3a} and said R^{3b} are each methyl.
62. **(original)** The compound of claim 54,

wherein:

R¹ is 2,4-bis-trifluoromethoxyphenyl;

D is -O-; and

R⁷ and R⁸ are each hydrogen.

63. **(original)** The compound of claim 54,

wherein:

R¹ is 4-chloro-3- trifluoromethoxyphenyl;

D is -O-; and

R⁷ and R⁸ are each hydrogen.

64. **(original)** The compound of claim 54,

wherein:

R¹ is 4,5-dichloro-2-trifluoromethoxyphenyl;

D is -O-; and

R⁷ and R⁸ are each hydrogen.

65. **(original)** The compound of claim 54,

wherein:

R¹ is 2-chloro-4-trifluoromethoxyphenyl;

D is -O-; and

R⁷ and R⁸ are each hydrogen.

66. **(original)** The compound of claim 54,

wherein:

R¹ is 4-chloro-2-trifluoromethoxyphenyl;

D is -O-; and

R⁷ and R⁸ are each hydrogen.

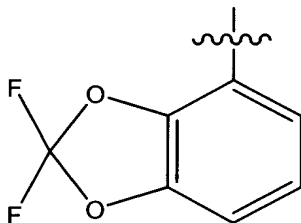
67. **(original)** The compound of claim 55,

wherein R^{3a} and R^{3b} are each methyl.

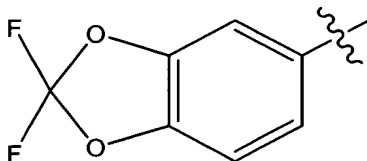
68. *(original)* The compound of claim 56,
wherein said alkyl of R^5 is $-CF_3$.

69. *(original)* The compound of claim 57,
wherein R^{3a} and R^{3b} are each methyl.

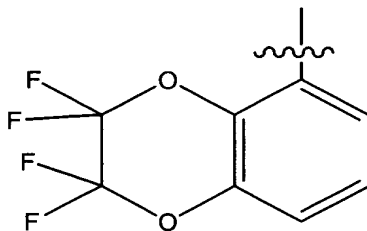
70. *(original)* The compound of claim 58, wherein R^1 is:



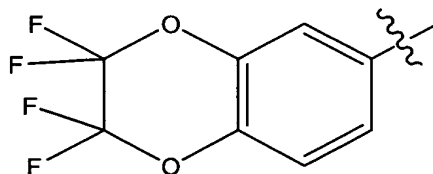
71. *(original)* The compound of claim 58, wherein R^1 is:



72. *(original)* The compound of claim 59, wherein R^1 is:



73. *(original)* The compound of claim 59, wherein R^1 is:

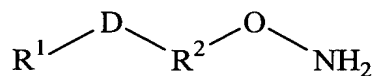


74. **(original)** The compound of claim 60,
wherein:
 R^7 and R^8 are each hydrogen.
75. **(original)** The compound of claim 61,
wherein said R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2-$.
76. **(original)** The compound of claim 67,
wherein R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2-$.
77. **(currently amended)** The compound of claim 68,
wherein R^{3a} and R^{3b} are each methyl, or taken together form a cyclopropyl or spiroalkyl.
78. **(original)** The compound of claim 69,
wherein R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2-$.
79. **(original)** The compound of claim 74,
wherein R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2-$.
80. **(original)** The compound of claim 76,
wherein:
 R^1 is 4-(trifluoromethanethio)-phenyl;
D is $-\text{O}-$; and
 R^7 and R^8 are each hydrogen.

81. **(original)** The compound of claim 77,
wherein:
R¹ is 4-(trifluoromethanesulfonyl)phenyl;
D is -O-; and
R⁷ and R⁸ are each hydrogen.
82. **(original)** The compound of claim 78,
wherein R^{3a} and R^{3b} are each methyl.
83. **(original)** The compound of claim 79,
wherein R^{3a} and R^{3b} are each methyl.
84. **(currently amended)** The compound of claim 79,
wherein R^{3a} and R^{3b} taken together form a cyclopropyl ~~or spiroalkyl~~.
85. **(original)** The compound of claim 81,
wherein R² is -CH₂CH₂CH₂-.
86. **(original)** The compound of claim 85,
wherein:
R¹ is 4-(trifluoromethanesulfonamido)-phenyl;
D is -O-; and
R⁷ and R⁸ are each hydrogen.
87. **(currently amended)** A composition, comprising:
~~at least one compound~~ one or more compounds according to claim 1; and
~~at least one~~ one or more pharmaceutically acceptable carriers.

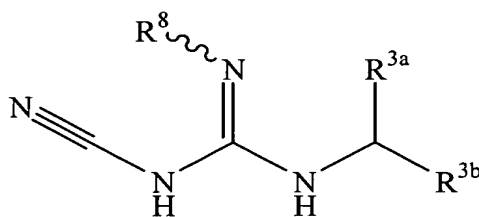
88. **(currently amended)** The composition of claim 87, further comprising **at least one one or more** anti-malarial agents or anti-infective agents.
89. **(original)** The composition of claim 87, further comprising at least one sulfonamide or sulfone.
90. **(currently amended)** A process for preparing **an** antimicrobial **compound compounds**, comprising the steps of:

contacting a compound of formula II:



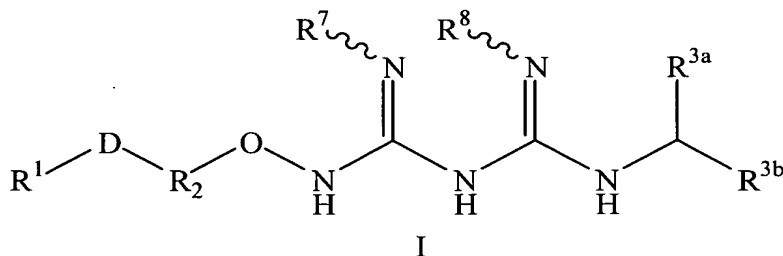
II

with a compound of formula III:



III

~~for a time and under conditions sufficient~~ to provide a compound of formula I:



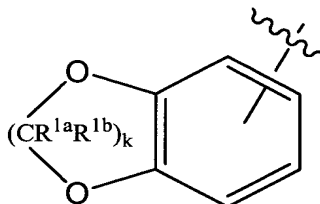
I

wherein:

R¹ is R^x, substituted aryl, substituted alkyl, substituted fused cycloalkylaryl, substituted aralkyl, substituted cycloalkylarylalkyl, substituted heteroaryl, or substituted heteroarylalkyl, wherein the latter seven groups are substituted with at

least one substituent selected from the group consisting of -CN, -OCF₃, haloalkoxy, -SR⁴, -OCF₃, -SCF₃, haloalkylthio, -NR⁵R⁶, -SO₂R⁴, -SO₂NR⁵R^{6a}, heteroaryl, heterocyclyl or R¹⁰O-(CH₂CH₂O)_j-, or combinations thereof;

R^x is substituted or unsubstituted:



wherein each R^{1a} and R^{1b} are independently H, alkyl or fluoro;

R² is branched or straight chain lower alkylidene, or lower alkylene;

R^{3a} and R^{3b} are each independently hydrogen, lower alkyl, lower alkenyl, lower alkynyl, or taken together form a cycloalkyl **or spiroalkyl group**;

each R⁴ is independently hydrogen, lower alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, aryl, substituted aryl, haloaryl, acyl, or heterocyclyl;

each R⁵ is independently hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl substituted aryl, or acyl;

each R⁶ is independently hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl substituted aryl, acyl, -SO₂R⁵, or SO₂NR⁵R⁵; or R⁵ and R⁶ taken together with the atom to which they are attached form a heterocycle;

each R^{6a} is independently hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl substituted aryl, acyl; or R⁵ and R^{6a} taken together with the atom to which they are attached form a heterocycle;

R⁷ and R⁸ are each, independently, hydrogen, alkyl, or acyl;

D is lower alkylidene, lower alkylene, -O-, -S-, or -N(R⁹)-

R^9 is hydrogen, alkyl, substituted lower alkyl, lower alkenyl, substituted lower alkenyl, lower alkynyl, substituted lower alkynyl, alkyl-substituted aryl, or acyl;

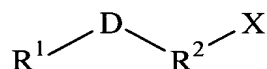
R^{10} is alkyl or haloalkyl;

j is an integer from 1 to 20; and

k is an integer from 1 to 4;

or a pharmaceutically acceptable salt thereof.

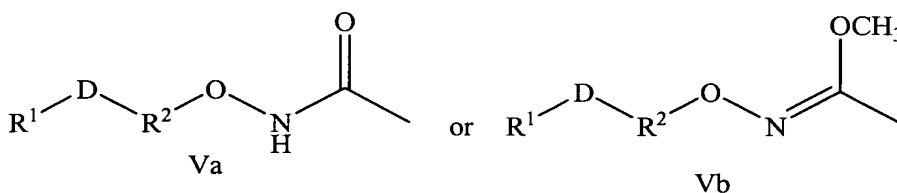
91. *(withdrawn)* The process of claim 90, wherein the compound of the formula II is produced by contacting a compound of the formula IV:



IV

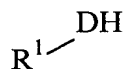
wherein X is halo, methanesulfonate, or *para*-toluene sulfonate;

with an alkaline salt of acetohydroxamic acid to form an intermediate of the formula Va or with an alkaline salt of N-hydroxyacetimidate to form an intermediate of formula Vb:



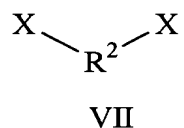
contacting the intermediate of the formula Va or Vb with acid for a time and under conditions effective to provide the compound of the formula II.

92. *(withdrawn)* The process of claim 91, wherein a compound of the formula IV is produced by contacting a compound of the formula VI:



VI

with a compound of the formula VII:



wherein each X is, independently halo, methanesulfonate, or *para*-toluene sulfonate;

for a time and under conditions sufficient to provide the compound of formula IV.

93. **(withdrawn)** The process of claim 92,
wherein:
R¹ is *para*-trifluoromethoxyphenyl;
R² is -CH₂CH₂CH₂-;
R^{3a} and R^{3b} are each independently methyl, or taken together form a cycloalkyl, R⁷ and R⁸ are each, independently, H; and
D is -O-.
94. **(withdrawn)** The process of claim 92,
wherein:
R¹ is 4-trifluoromethanethiophenyl, 4-trifluoromethanesulfonylphenyl, or 4-trifluoromethanesulfonamidophenyl;
R² is -CH₂CH₂CH₂-;
R^{3a} and R^{3b} are each independently methyl, or taken together form a cycloalkyl group;
R⁷ and R⁸ are each, independently, H; and
D is -O-.

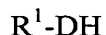
95. *(withdrawn)* A process of claim 91, wherein the compound of the formula IV is produced by contacting a compound of the formula XIV:



XIV

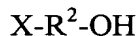
with an alcohol halogenation agent or alcohol sulfonation agent for a time and under conditions sufficient to provide the compound of the formula IV.

96. *(withdrawn)* A process of claim 95, wherein the compound of the formula XIV is produced by contacting a compound of the formula VI:



VI

with a compound of the formula XV:



XV

wherein:

X is halo, methanesulfonate, or *para*-toluenesulfonate; and

R² is -(CH₂)_n-, wherein n is 2 to 10;

for a time and under conditions effective to provide the compound of the formula XIV.

97. *(withdrawn)* The process of claim 96,

wherein:

R¹ is 2-chloro-4-trifluoromethoxyphenyl or 4-chloro-2-trifluoromethoxyphenyl;

R² is -CH₂CH₂CH₂-;

R^{3a} and R^{3b} are each independently methyl, or taken together form a cycloalkyl group;

R⁷ and R⁸ are each, independently, H; and

D is -O-.

98. **(withdrawn)** The process of claim 96,
wherein:
R¹ is 2,4-bis-trifluoromethoxyphenyl, 4-chloro-3-trifluoromethoxyphenyl or
4,5-dichloro-2-trifluoromethoxyphenyl;
R² is -CH₂CH₂CH₂-;
R^{3a} and R^{3b} are each independently methyl, or taken together form a cycloalkyl
group;
R⁷ and R⁸ are each, independently, H, and D is -O-.
99. **(withdrawn)** A method for reducing in a patient the level of infection caused by an
organism selected from the group consisting of *Plasmodium sp.*, *Mycobacterium sp.*,
Toxoplasma gondii, and *Pneumocystis carinii*, comprising the step of:
administering to said patient in need thereof an effective amount of at least
one compound according to claim 1.
100. **(withdrawn)** A method for protecting a patient susceptible to infection caused by
exposure to an organism selected from the group consisting of *Plasmodium sp.*,
Mycobacterium sp., *Toxoplasma gondii*, and *Pneumocystis carinii*, comprising the
step of:
administering to said patient in need thereof an effective amount of at least
one compound according to claim 1.
101. **(canceled)**
102. **(new)** A method of evaluating the *in vivo* biological activity of a compound of claim
1, comprising the step of:
assaying *in vitro* for the biological activity of the product of the oxidative
cyclization of the compound of claim 1.